



# Summary Slide

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- Phase I EVR implementation in the SMAQMD



# Phase I EVR implementation in the SMAQMD

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- Presented to the Board of Directors of the Sacramento Metropolitan Air Quality Management District - March 24, 2005
- By David R. Grose, Manager of the Stationary Source Division



# Glossary of Terms

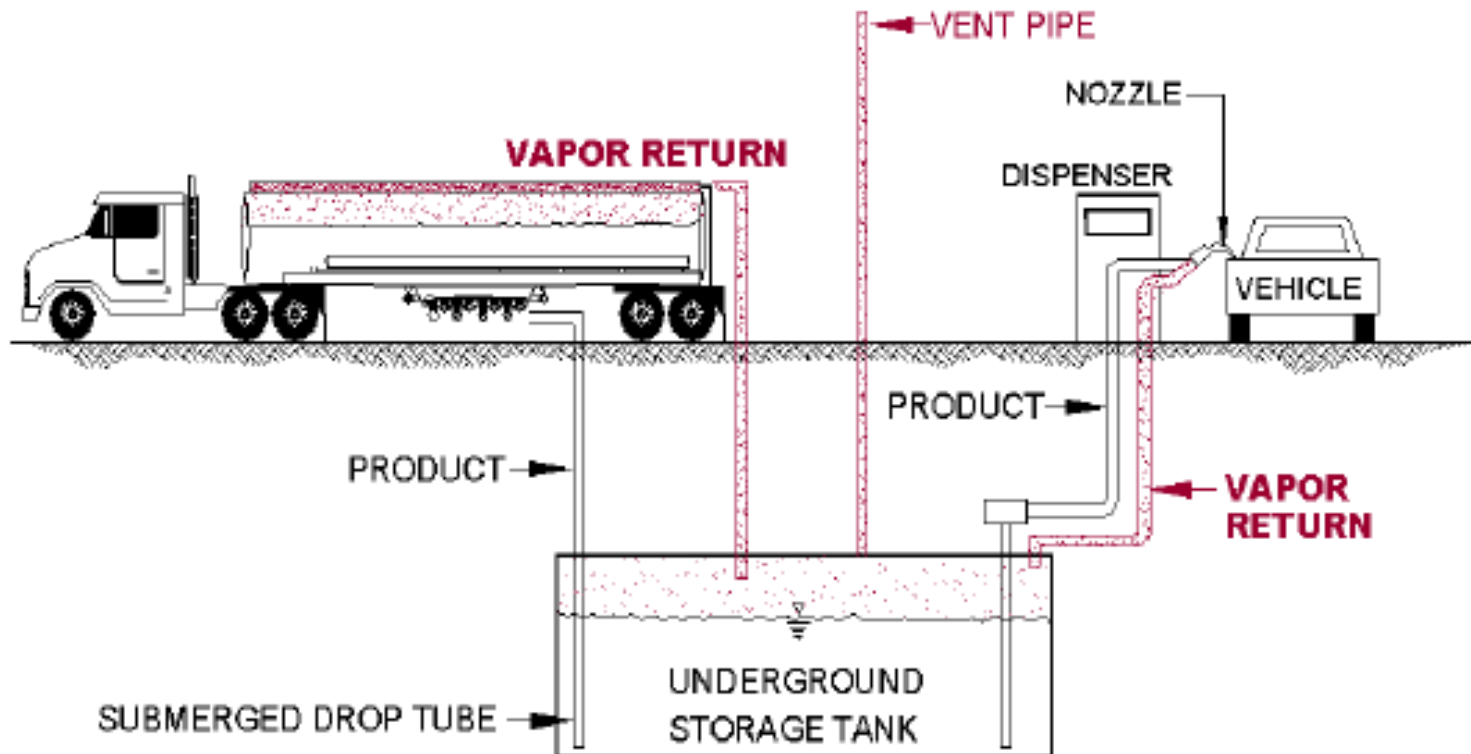
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- CARB - California Air Resources Board
- CCR – California Code of Regulations
- EVR - Enhanced Vapor Recovery
- GDF - Gasoline Dispensing Facility
- NOV – Notice of Violation
- Phase I - The vapor recovery system that applies to the transfer of gasoline from a delivery vehicle to an underground storage tank
- Phase II - Applies to the transfer of gasoline from the underground tank into a motor vehicle

# Phase I and Phase II Vapor Recovery

## PHASE I SYSTEM

## PHASE II SYSTEM





# Vapor Recovery Regulation in California

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- 1974 - Vapor recovery first required in California (BAAQMD and San Diego APCD adopted earlier)
- 2000 - EVR approved by CARB
- April 1, 2001 - EVR becomes state law



# Purpose of EVR

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- EVR is designed to increase Phase I efficiency from 95% recovery of vapors to 98% by:
  - Improving P/V valves
  - Improving Phase I fittings
  - Improving drain valve and overflow protections



# EVR Implementation

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- April 1, 2001 - De-certification of existing Phase I systems
- July 1, 2001 - All new installations and major modifications must install EVR after this date
- April 1, 2005 - All GDFs required to have upgraded to Phase I EVR by this date

# Status of Phase I EVR in Sacramento

(as of March 11, 2005)

- 396 - Permitted affected GDFs in Sacramento
- 197 - Compliant, installed and permitted
- 139 - Applied for District permit for upgrade but have not completed upgrade
- 60 - Neither applied for permit nor upgraded



# Outreach

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- CARB Advisories
  - July 18, 2001 (No. 196) - Advised GDF operators of deadlines for EVR compliance. April 1, 2005 for all GDFs
  - October 29, 2003 (No. 321) - Similar to 196. Also defined Major Modification as that construction that causes the tank top to be unburied
  - September 10, 2004 (No. 327) - Further advised as to the April 1, 2005 deadline



# Outreach

(continued)

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## ■ SMAQMD Activities

### ■ Advisories

- August 2004 - To all GDF permit holders about new EVR requirements
- December 14, 2004 - To all non-upgraded GDFs about April 1, 2005 requirements and consequences
- March 16, 2005 - To all non-upgraded GDFs. Tank Tagged "Out-of-Order" warning



# Outreach

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- Other SMAQMD Activities
  - March 15-22 - Phone calls to all non-upgraded GDFs to inform of deadline and offer permit assistance
  - Website posting of all compliant facilities commencing March 31, 2005
  - Continuing field outreach as opportunities arise
  - Compliance assistance provided through District's CAP program



# Compliance Assurance

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- Title 17 of the CCR requires the marking “Out-of-Order” all non-certified components
- State law also allows de-certified equipment to be maintained and replaced for a period of four years from date of de-certification. This is the April 1, 2005 date



# Compliance Assurance

(continued)

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- All tanks lacking both EVR and District permit for upgrade as of April 1, 2005 will be Marked "Out-of-Order"
- All other non-upgraded tanks will be marked "Out-of-Order at the time of inspection"



# Compliance Assurance

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- All GDFs receiving gasoline through a non-upgraded system will be issued a NOV
- Delivery vehicles will be issued a NOV for all transfer of gasoline to non-upgraded tanks



# Conclusion

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- Other districts in the region and state are proceeding similarly
  
- Questions?